

=> D HIST

FILE 'HOME' ENTERED AT 10:55:32 ON 14 DEC 2001

FILE 'CAPLUS, MEDLINE, EMBASE' ENTERED AT 10:55:40 ON 14 DEC 2001

L1 27049 S MAMMOGRAPH?
L2 70867 S CONTRAST(3A) (MEDIUM OR MEDIA OR AGENT?)
L3 403 S L1 AND L2
L4 44 S (CONTRAST(3A) (MEDIUM OR MEDIA OR AGENT?)) (10A) MAMMOGRAPH?
L5 32 DUP REM L4 (12 DUPLICATES REMOVED)

FILE 'STNGUIDE' ENTERED AT 11:02:53 ON 14 DEC 2001

=>

L5 ANSWER 29 OF 32 EMBASE COPYRIGHT 2001 ELSEVIER SCI. B.V.
AB Contrast **mammography** was performed in 27 women patients by
injecting the **contrast media** ('Conray' 280) into the
duct. Various types of the cases were studied; intraductal papilloma,
showed filling defects. Three cases of proximal dilated duct examined
showed marked irregularity of the duct with dilatation. In cases of ductal
ectasia (4 cases), there was marked dilatation of the duct without any
irregularity and filling defects. The cases of fibroadenoma (4 cases),
carcinoma (2 cases) and sarcoma (1 case) showed displacement and pressure
over the ductal system. The results observed were analyzed and discussed
with the modern literature available. The significance of the observation
is emphasized with the surgical and histopathological findings.

AN 78349966 EMBASE
DN 1978349966
TI Contrast mammography in patients with nipple discharge.
AU Jaiswal T.B.L.; Mathur K.C.; Halder P.K.
CS JK Inst. Radiol., Kanpur, India
SO Indian Journal of Radiology, (1977) 31/4 (314-319).
CODEN: IJRAAY
CY India
DT Journal
FS 037 Drug Literature Index
014 Radiology
016 Cancer
009 Surgery
LA English

=>

DOCUMENT-IDENTIFIER: US 5844965 A

TITLE: Method and apparatus for using film density measurements of a radiograph to monitor the reproducibility of X-ray exposure parameters of a mammography unit

BSPR:

The inventor of the subject matter herein claimed and disclosed has recognized a need in the art to standardize image quality of breast specimen radiographs and autoradiographs. In the mammographic imaging of the intact breast, one of the factors limiting the accuracy of mammographic diagnosis is poor radiographic contrast between cancerous and non-cancerous tissue.

Efforts to increase contrast include the use of contrast agents that can be administered before mammography. Desirable characteristics of such agents are that they be non-toxic and have a preferential affinity for the cancer tissue.

If the agent has a higher physical density or effective atomic number than breast tissue, its distribution in the breast can be imaged on film using x-rays.

File View Edit Tools Window Help

Drafts
BRS:
BRS:
BRS: ("s,r" or "(sr "ls,3r") same (formoterol or foradil or eformot
ISNR:
ISNR:
BRS:
ISNR:
BRS: 1 and 3
BRS: 1 adn 3
BRS:
BRS: (vitaminS1 or ascorbS or tocopheryl or tocopherol) same thicke
ISNR:
BRS:
ISNR:
Pending
Active
L1: (1417) mammoGraS
L2: (264) mammoGraS same contrast
L3: (1464) 424/9.3-9.5.ccls.
L4: (3) 1 and 3
L5: (21) ((contrast) near3 (agentS1 or media or medium)) same mammo
Failed
Saved
Favorites
Tagged
UDC
Queue
Trash

US-PAT-NO: 5844965
DOCUMENT-IDENTIFIER: US 5844965 A
TITLE: Method and apparatus for using film density measurements of a radiograph to monitor the reproducibility of X-ray exposure parameters of a mammography unit
DATE-ISSUED: December 1, 1998
US-CL-CURRENT: 378/207
APPL-NO: 8/ 968792
DATE FILED: October 27, 1997
PARENT-CASE:
RELATED APPLICATIONS This is a continuation, of application Ser. No. 08/566,587, filed Nov. 30, 1995 now abandoned, which was a continuation-in-part of application Ser. No. 08/345,162 filed on Nov. 28, 1994, now U.S. Pat. No. 5,544,238 which was a continuation-in-part of application Ser. No. 08/101,950 filed Aug. 4, 1993, now U.S. Pat. No. 5,406,612, which was a divisional of application Ser. No. 07/787,849 filed Nov. 5, 1991, now U.S. Pat. No. 5,276,726, which was a continuation-in-part of application Ser. No. 07/441,567 dated Nov. 24, 1989, now U.S. Pat. No. 5,063,583.
BSPR:
The inventor of the subject matter herein claimed and disclosed has recognized a need in the art to standardize image quality of breast specimen radiographs and autoradiographs. In the mammographic imaging of the intact breast, one of the factors limiting the accuracy of mammographic diagnosis is poor radiographic contrast between cancerous and non-cancerous tissue. Efforts to increase contrast involves the use of contrast agents that can be administered before mammography. Desirable characteristics of such agents are that they be non-toxic and have a preferential affinity for the cancer tissue. If the agent has a higher physical density or effective atomic number than breast tissue, its distribution in the breast can be imaged on film using x-rays.

	U	Document ID	Issue Date	Pages	Title	Current OR	Current XRef	Retrieval C	Inventor	S	C	P	S
5	<input type="checkbox"/>	US 5881126 A	19990309	16	Phase contrast X ray imaging system	378/36	378/145		Monose, Atsushi	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	<input type="checkbox"/>	US 5844965 A	19981201	24	Method and apparatus for using film density measurements of a radiograph	378/207			Golkin, Benjamin M.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	<input checked="" type="checkbox"/>	US 5678549 A	19971021	11	Stereotactic auxiliary attachment for a nuclear magnetic resonance	600/417	600/421 ; 600/425 ; 606/130		Heywang-Koebrunner, Sylvia et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8	<input checked="" type="checkbox"/>	US 5561370 A	19961001	18	Artefact suppression in GRASE Mr imaging	324/309	324/307		Fuderer, Miha	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9	<input checked="" type="checkbox"/>	US 5555885 A	19960917	26	Examination of breast tissue using time-resolved spectroscopy	600/431	600/475 ; 600/477		Chance, Britton	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10	<input checked="" type="checkbox"/>	US 5428292 A	19950627	8	Pancake MRI magnet with modified imaging volume	324/319	335/296		Dorri, Bizhan et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Ready

NUM

BRB:
TBRB.

a broad x-ray energy distribution (i.e., continuum x-ray beam) is required.

 990 form
 990-E form
 990-B form
 990-T form

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition	Error
1	BRS	L1	1458	(projection) near7 (mammogr5 or radiograph5 or radiolog5 or x-ray or xray)	USPAT	2001/04/23 15:58			0
2	BRS	L2	3689	424/1.11-10.4.ccis.	USPAT	2001/04/23 15:52			0
3	BRS	L3	7	1 and 2	USPAT	2001/04/23 15:52			0
4	BRS	L4	2626	(projection) same (mammogr5 or radiograph5 or radiolog5 or x-ray or xray)	USPAT	2001/04/23 15:57			0
5	BRS	L5	1458	1 and 4	USPAT	2001/04/23 15:54			0
6	BRS	L6	12	4 and 2	USPAT	2001/04/23 15:54			0
7	BRS	L7	5	6 not 3	USPAT	2001/04/23 15:54			0
8	BRS	L8	80	(projection) near7 breast51	USPAT	2001/04/23 15:56			0
9	BRS	L9	1	8 and 2	USPAT	2001/04/23 15:56			0
10	BRS	L10	181	(projection) same breast51	USPAT	2001/04/23 15:57			0
11	BRS	L11	1	10 and 2	USPAT	2001/04/23 15:57			0
12	BRS	L12	0	(projection near5 mammograph5) same contrast	USPAT	2001/04/23 15:57			0
13	BRS	L13	217	(projection) same (mammogr5 or radiograph5 or radiolog5 or x-ray or xray) same contrast	USPAT	2001/04/23 15:58			0
14	BRS	L14	31	(projection) near7 (mammogr5 or radiograph5 or radiolog5 or x-ray or xray) same breast5	USPAT	2001/04/23 15:59			0
15	BRS	L15	323691	contrast	USPAT	2001/04/23 15:59			0
16	BRS	L16	13	14 and 15	USPAT	2001/04/23 15:59			0

File View Edit Tools Window Help

Drafts
 BRS:
 BRS:
 BRS: ("s,r" or "(sr "ls,3r") same (formoterol or foradil or eformot
 ISNR:
 ISNR:
 BRS:
 ISNR:
 BRS: 1 and 3
 BRS: 1 adn 3
 BRS:
 BRS: (vitaminS1 or ascorbS or tocopheryl or tocopherol) same thicke
 ISNR:
 BRS:
 ISNR:
 Pending
 Active
 L1: (1417) mammograS
 L2: (264) mammograS same contrast
 L3: (1464) 424/9.3-9.5.ccls.
 L4: (3) 1 and 3
 Failed
 Saved
 Favorites
 Tagged
 UDC
 Queue
 Trash

15-

US-PAT-NO: 5756066
 DOCUMENT-IDENTIFIER: US 5756066 A
 TITLE: Iodine-containing peptides
 DATE-ISSUED: May 26, 1998
 US-CL-CURRENT: 424/1.69, 424/1.65, 424/1.85, 424/9.4, 424/9.45, 424/9.50/300
 APPL-NO: 8/ 487096
 DATE FILED: June 7, 1995
 BSRP:
 Another possible use involves the diagnosis of vascular areas with reduced or increased permeability, which can be caused, e.g., by inflammations or by tumors, as well as use in lymphography and mammography.
 CCR:
 424/9.4
 CCR:
 424/9.45

U	Document ID	Issue Date	Pages	Title	Current OR	Current XRef	Retrieval C	Inventor	S	C	P	3
1	US 5756066 A	19980526	32	Iodine-containing peptides	424/1.69	424/1.65 ; 424/1.85 ; 424/9.4		Nitecki, Danute , et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	US 5593660 A	19970114		Cascade polymers with iodoaromatic compounds	424/9.451	424/9.1 ; 424/9.3 ; 424/9.453		Krause, Werner , et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	US 4938948 A	19900703		Method for imaging breast tumors using labeled monoclonal anti-human	424/1.53	424/155.1 ; 424/156.1 ; 424/179.1		Ring, David B. , et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

File View Edit Tools Window Help

Drafts

BRS: (s,r" or "(sr "ls,3r") same (formoterol or foradil or eformot

ISNR:

BRS: 1 and 3

BRS: 1 adn 3

BRS: (vitamin\$1 or ascorb\$ or tocopheryl or tocopherol) same thicke

ISNR:

BRS:

ISNR:

Pending

Active

L1: (264) contrast same mammogra\$

L2: (21) (contrast near\$ medium or media or agent\$1) same mammogr

Failed

(0) \$benzoate\$1

(0) 13 and 9'

(0) ((contrast near\$ (medium or media or agent\$1)) same mammogra\$

Saved

Favorites

Tagged

UDC

Queue

Trash

US-PAT-NO: 5930325
DOCUMENT-IDENTIFIER: US 5930325 A
TITLE: Phase-contrast x-ray imaging system
DATE-ISSUED: July 27, 1999
US-CL-CURRENT: 378/36, 378/37
APPL-NO: 9/ 204154
DATE FILED: December 3, 1998
PARENT-CASE:
CROSS REFERENCE TO RELATED APPLICATION This is a continuation of U.S. application Ser. No. 08/827,535, filed Mar. 28, 1997, the subject matter of which is incorporated by reference herein.
FOREIGN-APPL-PRIORITY-DATA:
FOREIGN-PRIORITY-APPL-NO: JP 8-075859
FOREIGN-PRIORITY-APPL-DATE: March 29, 1996
BSPR:
All currently realized X-ray clinical imaging systems obtain an image contrast based upon the quantity of absorbed X-rays. Because heavier elements absorb more X-rays, an object containing more heavy elements creates clearer X-ray shadow. However, an object made of light elements (soft tissues, etc.) which does not absorb X-rays so much is too transparent for X-rays to create a sufficient contrast. When such an object is needed to be investigated with conventional clinical X-ray imaging systems, a **contrast medium** containing heavy elements is injected into a soft tissue although such an injection procedure is not always possible. In the case of an X-ray imaging system for diagnosing breast cancer (**mammography**), one compromises to use relatively low-energy X-rays to increase the sensitivity to soft tissues (in this case, breast cancer), because it is difficult to emphasize breast cancer with a **contrast medium**. Using low-energy X-rays bases on the fact that X-ray absorption coefficient is inversely proportional to the third power of X-ray energy and that comparatively clear contrast appears. However, as the dose of X-rays is also inversely proportional to the third power of X-ray energy, one has to compromise the increase in the dose of X-rays caused by using low-energy X-rays. Nevertheless, quality of obtained images is not always sufficient for

	U	Document ID	Issue Date	Pages	Title	Current OR	Current XRef	Retrieval C	Inventor	S	C	P	D	I	S
1	<input type="checkbox"/>	US 6190334 B1	20010220	16	Method and apparatus for the 600/587 imaging of tissue				Lasky, Harold J. et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	<input type="checkbox"/>	US 6086866 A	20000711	26	Use of platelet-derived growth factor to improve collateral circulation	424/85.1	514/2		Kouri, Roger Khalil	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	<input type="checkbox"/>	US 5930325 A	19990727	17	Phase-contrast x-ray imaging 378/36 system		378/37		Monose, Atsushi	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	<input type="checkbox"/>	US 5899865 A	19990504		Localization of abnormal breast tissue using time-resolved spectroscopy	600/473	600/411 600/427 600/431		Chance, Britton	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	<input type="checkbox"/>	US 5881126 A	19990309		Phase contrast X ray imaging 378/36 system		378/145		Monose, Atsushi	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	<input type="checkbox"/>	US 5844965 A	19981201		Method and apparatus for using film density	378/207			Galkin, Benjamin M.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

EAST - [default.wsp:1]

FileViewEditToolsWindowHelp

Drafts

the following steps. A support that includes an input port and an output port

BRS form

IS&R form

Image

Text

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition	Err
1	BRS	L1	261	mammograph\$ same contrast	USPAT	2001/12/14 10:42			0
2	BRS	L2	11	mammograph\$ same (contrast near3 agent\$1)	USPAT	2001/12/14 10:42			0

Hits

Details

Ready

NUM